

SYSTEM AND METHODOLOGY FOR OPTIMIZING DELIVERY OF E-MAIL  
ATTACHMENTS FOR DISPARATE DEVICES

ABSTRACT OF THE DISCLOSURE

5                   An e-mail system that re-packages message attachments optimized for  
delivery to wireless handheld devices is described. The preferred embodiment provides an  
optimization of the e-mail deliveries to allow for the recipients to receive e-mail attachments  
at a time and in a size/format as desired. The preferred embodiment compares the size of  
attached images to the capabilities of the type of the recipient client device, and preempts  
10 delivery of the original format of those attachments if they are determined to be burdensome  
or overwhelming. In cases wherein these attachments would strain the capabilities of the  
recipient devices' wireless bandwidth and/or display features, the original attachments are  
removed from the messages and do not accompany the e-mail delivery. Any detached  
attachment is saved in a network media-sharing repository, and can be subsequently accessed  
via a link (e.g., URL) referencing that storage address. Recipients can specify their wireless  
handheld device types, and opt to receive transformations of this type of attachment as a  
default substitute in subsequent e-mail deliveries. In cases wherein the recipient has  
previously used multiple types of client devices when receiving messages from the system,  
the present invention applies a transformation on the current attachment that corresponds to  
the least capable in the set of those multiple devices. Recipients may also elect to receive the  
20 URL for the network storage address of copies of either the original and/or transformed  
attachments.